

Syphilis

Presented By:

Charles Heaton, M.D.
Professor of Dermatology
University of Cincinnati
College of Medicine



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Syphilis

Treponemal Diseases of Man

Syphilis

Yaws

Pinta

Biegel

? Lyme Disease

Syphilis Elimination

History

October 7, 1999

U.S. Surgeon General David Satcher, M.D.

CDC Director Jeffrey Koplan, M.D.

Eliminate Syphilis by 2005

*The Prevention Connection, Spring 2000

Syphilis Elimination

Half of U.S. P&S cases in 2005
were in 19 counties,
And 2 cities

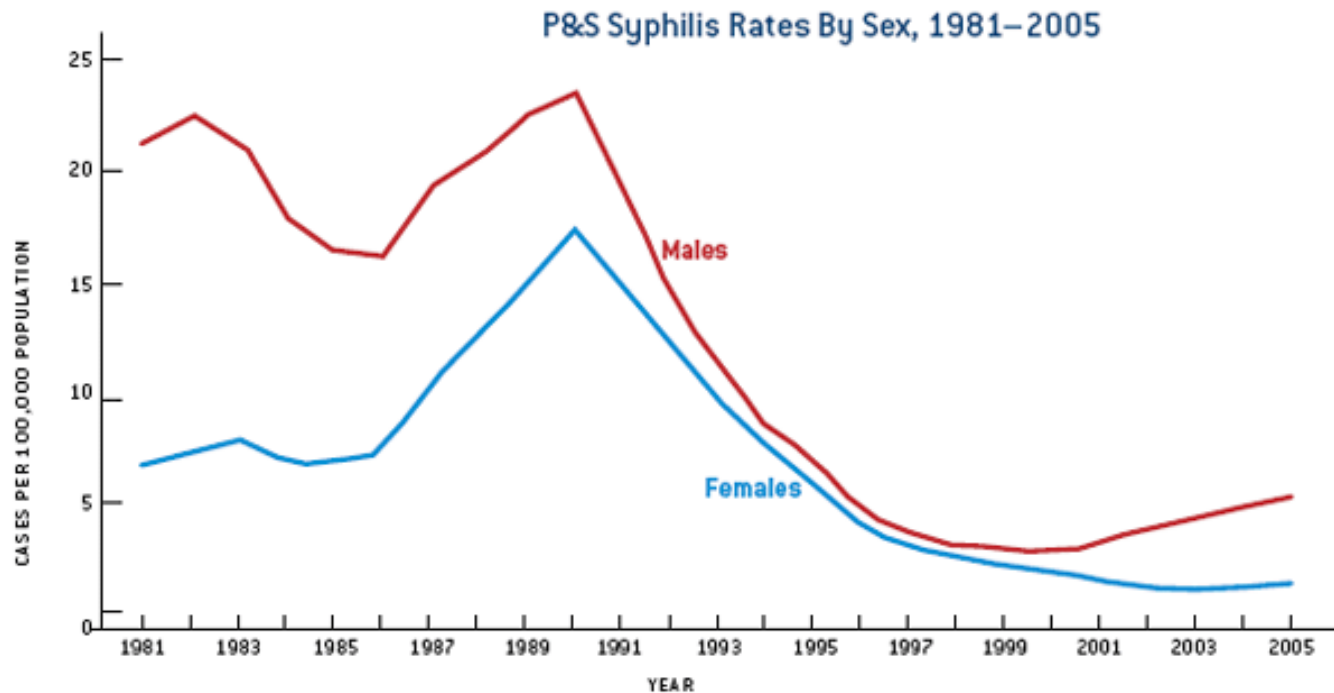
As reported by CDC – July, 2005

Syphilis Elimination

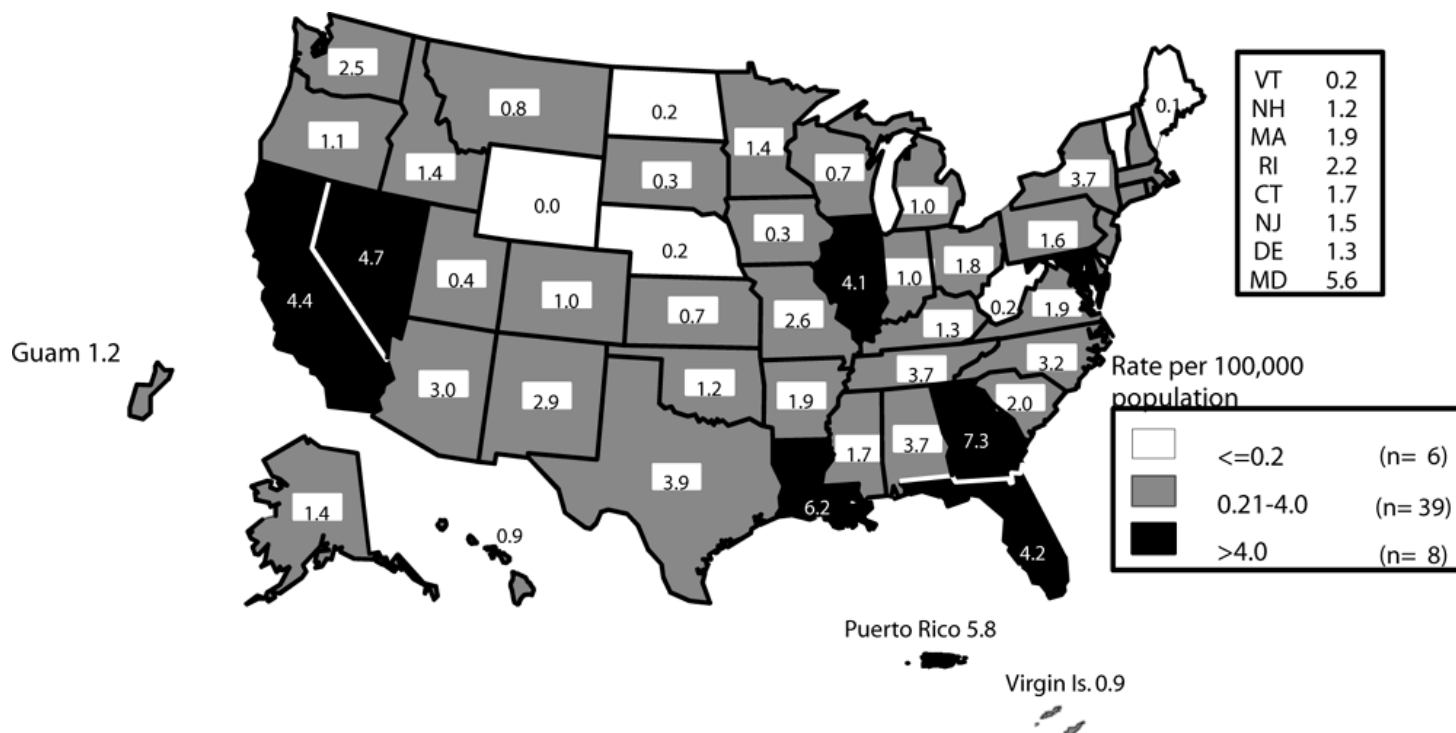
Target

The Healthy People Target is
2 cases per 1,000,000 population

Primary and secondary syphilis - Rates by sex

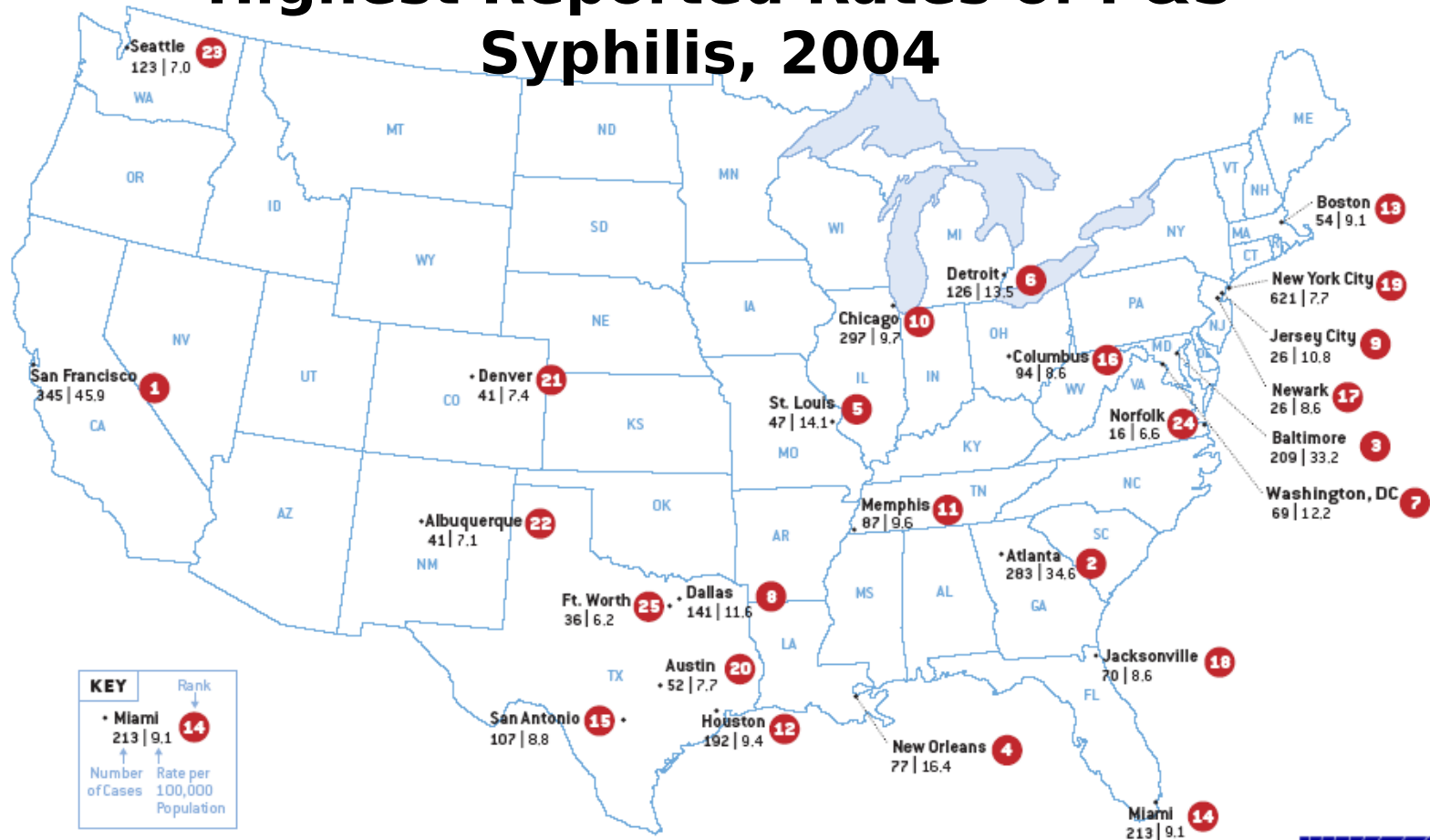


Primary and secondary syphilis — Rates by state: United States and outlying areas, 2005



Note: The total rate of P&S syphilis for the United States and outlying areas (Guam, Puerto Rico and Virgin Islands) was 3.0 per 100,000 population. The Healthy People 2010 target is 0.2 case per 100,000 population.

Top 25 Cities with Highest Reported Rates of P&S Syphilis, 2004



Syphilis Elimination

Primary and secondary syphilis - Counties and independent cities ranked by number of reported cases: United States, 2004

1 Los Angeles County, CA

2 San Francisco County, CA

3 Cook County, IL

4 New York County, NY

5 Fulton County, GA

6 Dade County, FL

7 Harris County, TX

8 Baltimore (City), MD

9 Dallas County, TX

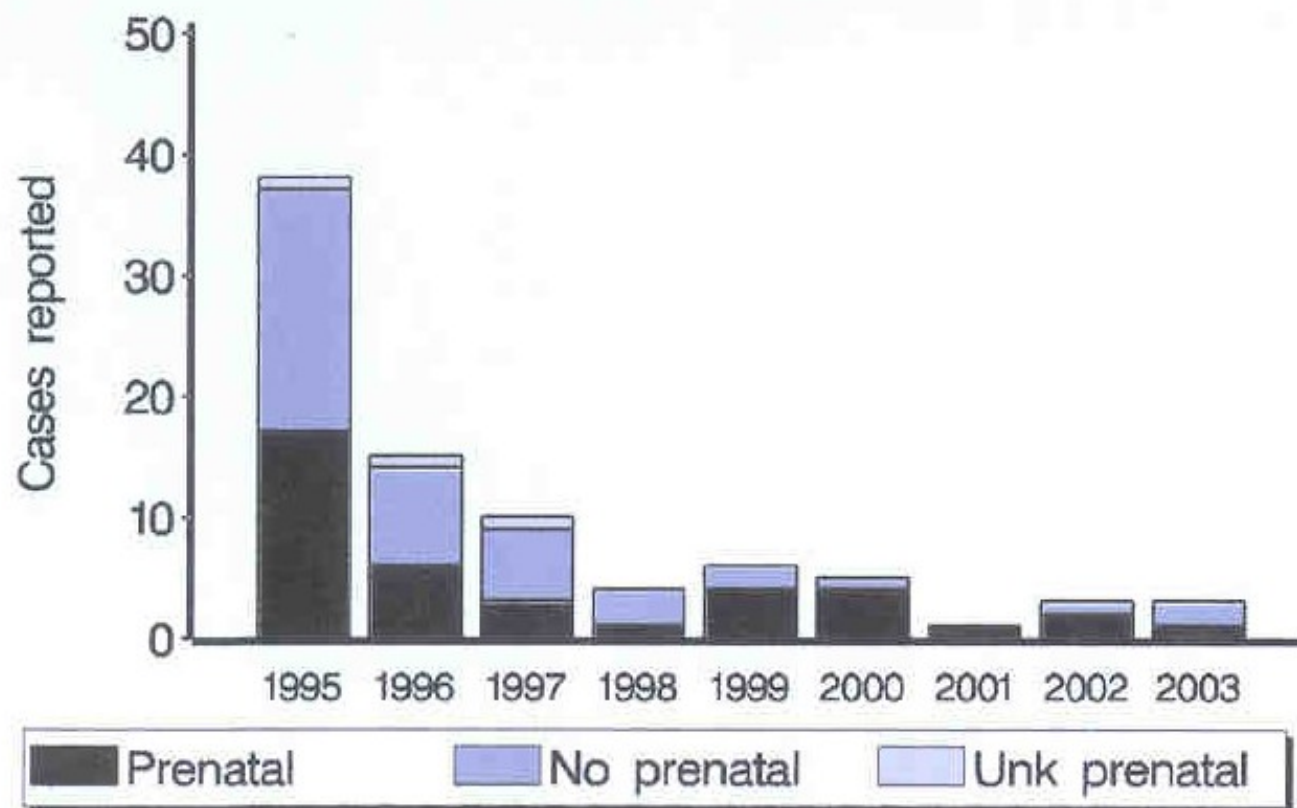
10 Broward County, FL

Accounting for 50% of reported primary and secondary syphilis cases.

Counties were ranked in descending order by number of cases.



Figure D. Congenital syphilis cases, by prenatal care status, 1995 – 2003



Syphilis Elimination

The Plan*

“ targets 33 counties and cities with heavy disease burden of syphilis or high potential for re-emergence of the disease”

*The Prevention Connection, Spring 2000

Syphilis Elimination

The Strategy*

- Enhance surveillance
- Expand clinical and laboratory services
- Enhance health promotion
- Strengthen
 - Community involvement
 - Partnership
- Rapid outbreak response

*The Prevention Connection, Spring 2000

Syphilis

World Wide Problem 1999 Stats



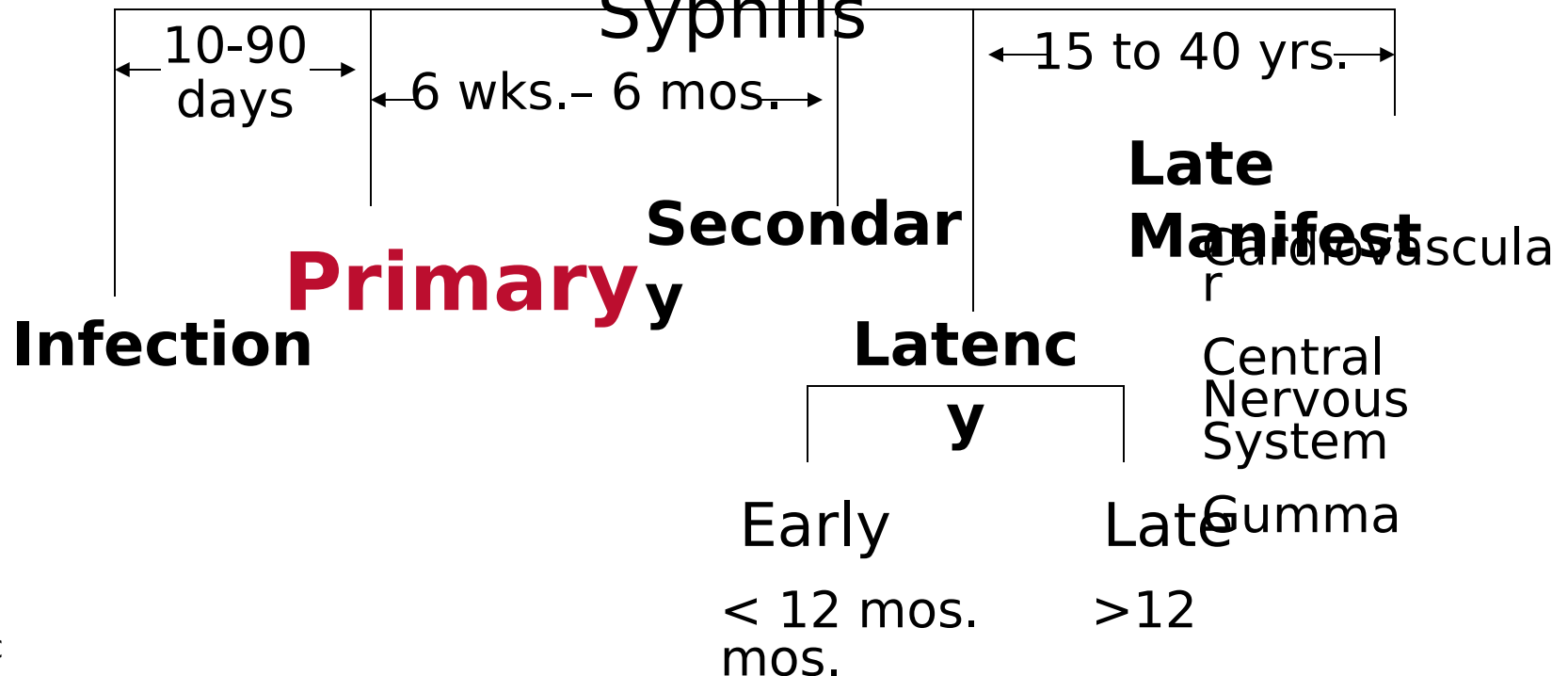
Primary Syphilis

Disease Process
Early Clinical Lesions



Syphilis

Natural History Of Untreated Syphilis





Syphilis Chancres





Syphilis Chancres



Chancre
Tongue



Submandibular lymph node
enlargement

Syphilitic Chancre



Syphilitic Chancre

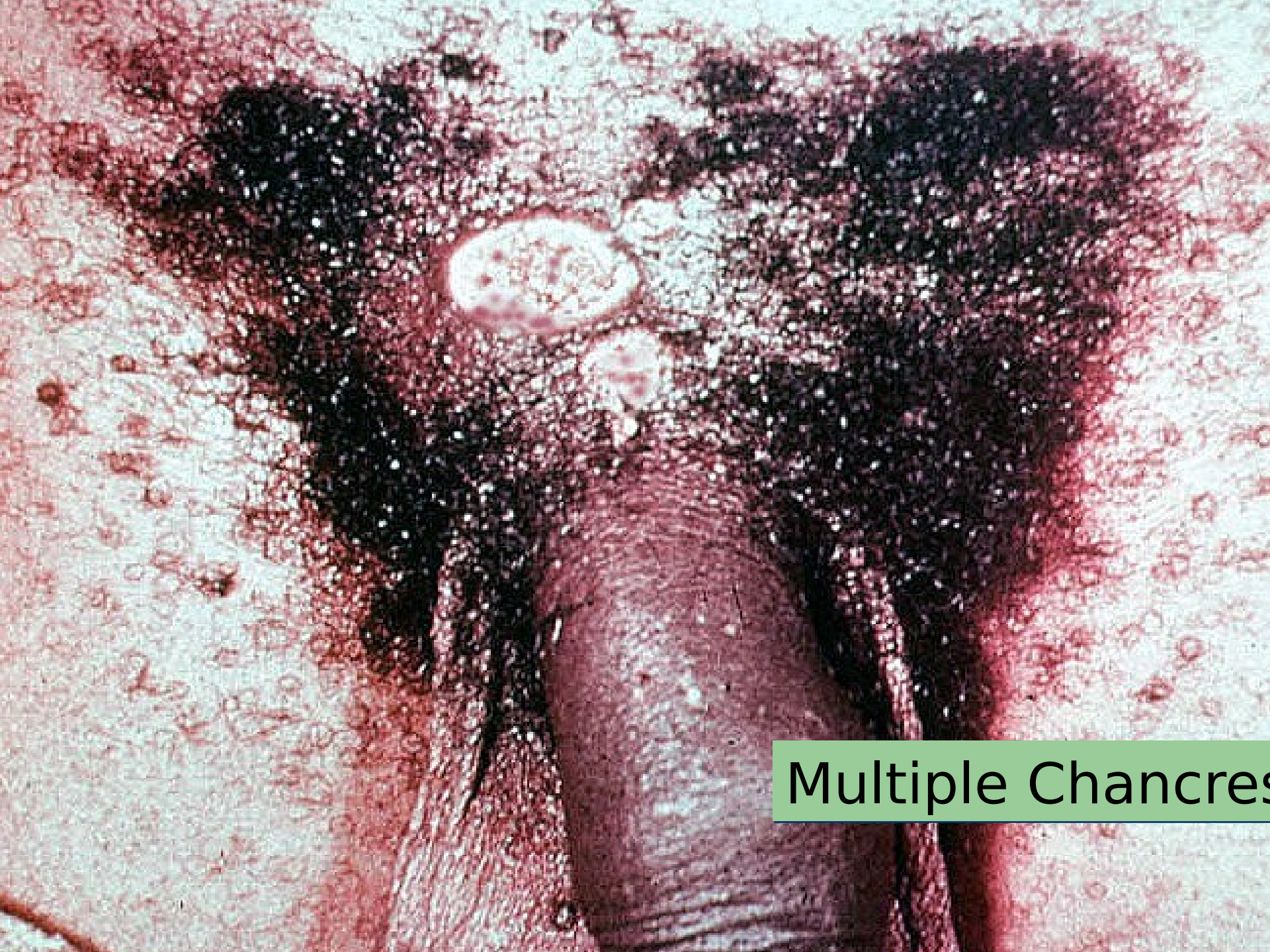




Syphilitic Chancre

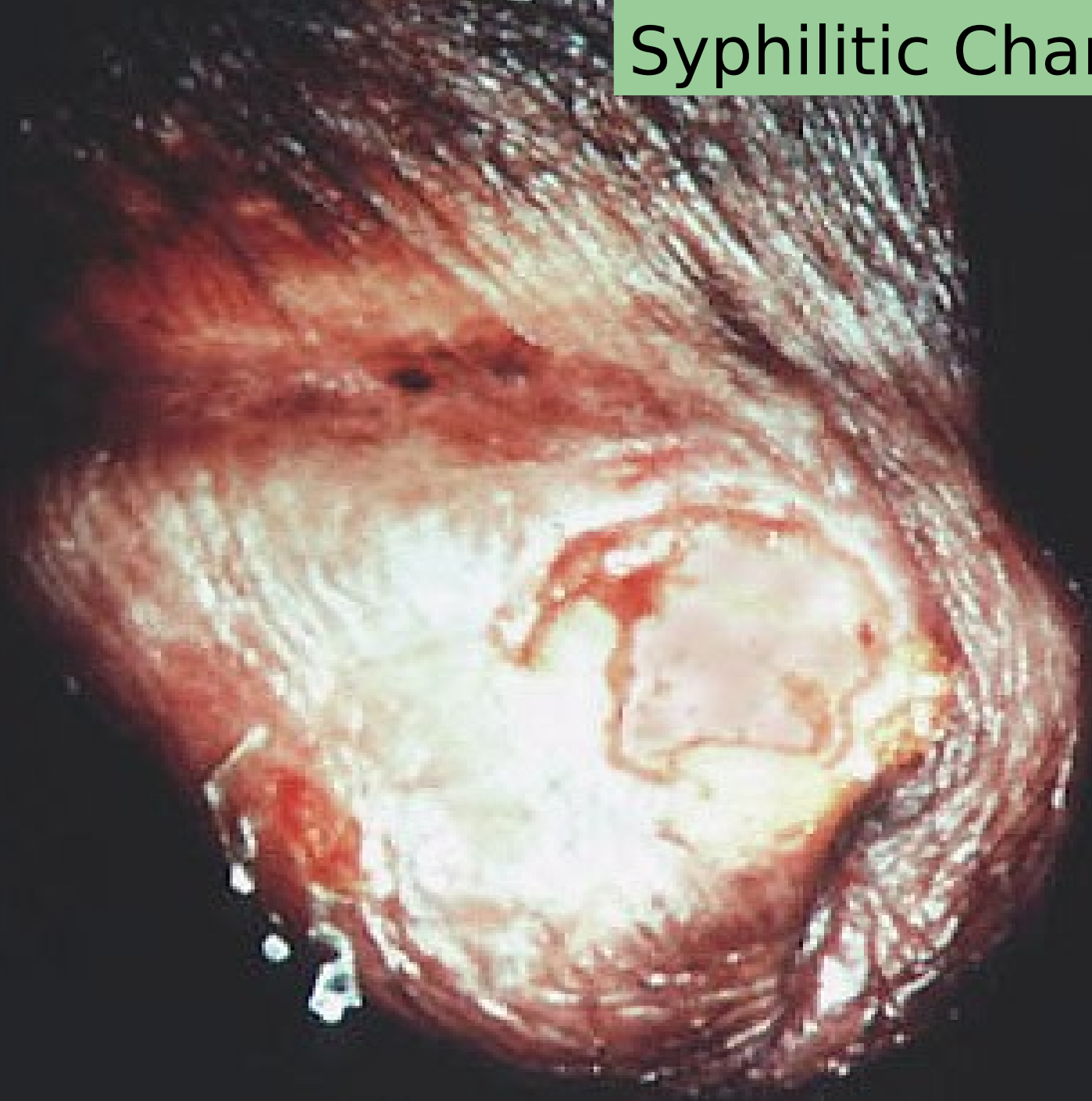
Urethral Chancre





Multiple Chancres

Syphilitic Chancre





Syphilitic Chancre



Multiple Chancres

Multiple Chancres

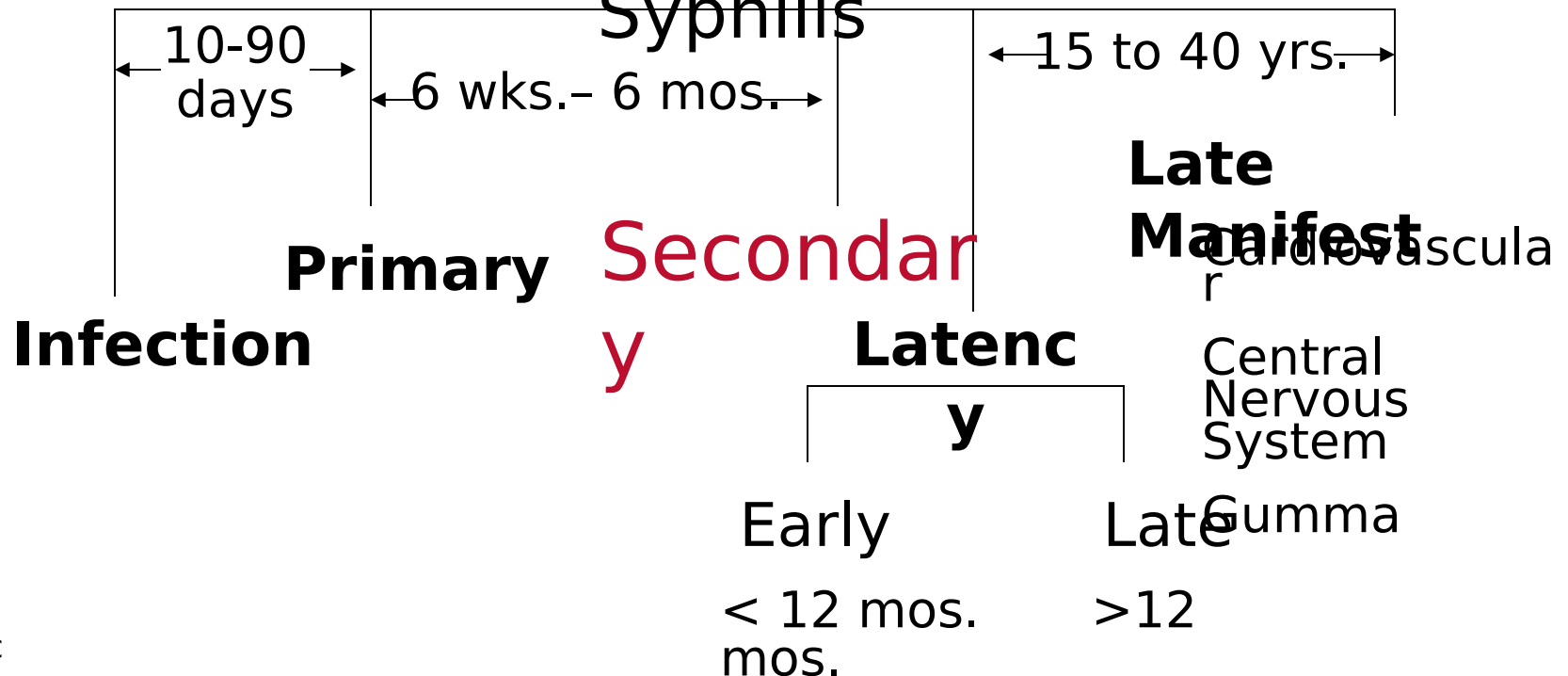


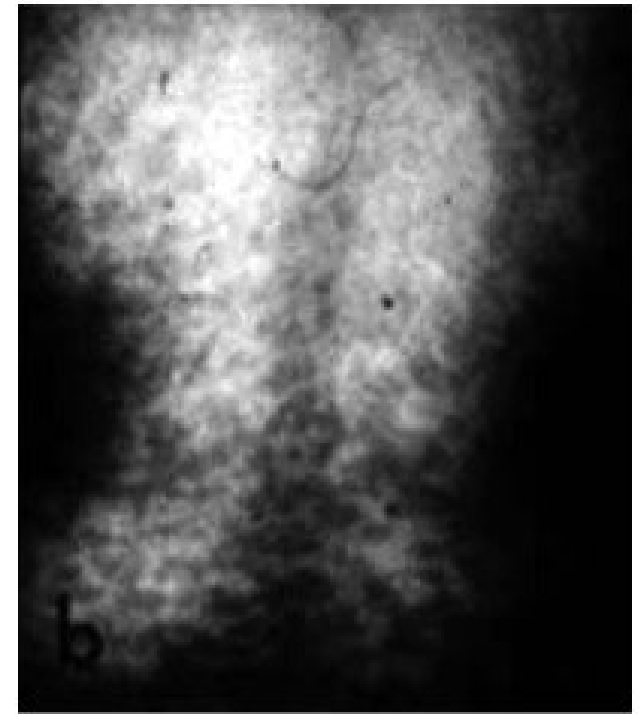
Secondary Syphilis



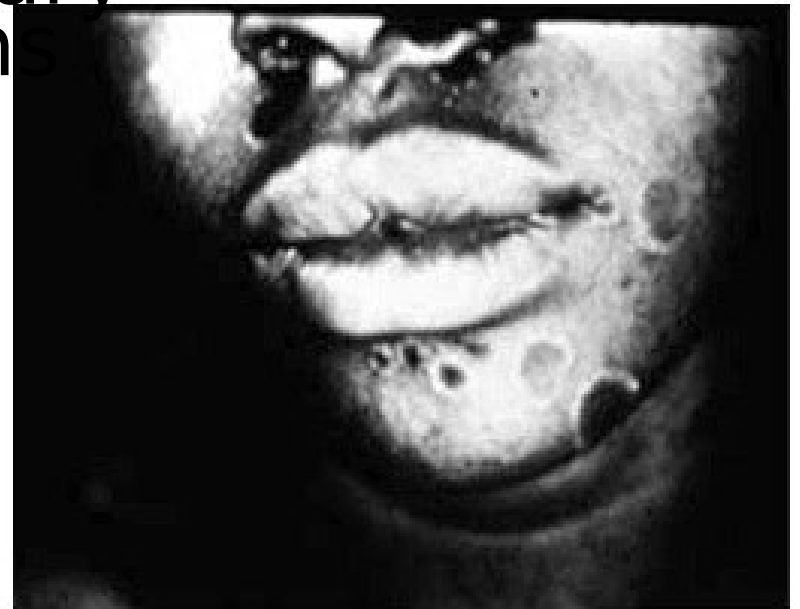
Syphilis

Natural History Of Untreated Syphilis

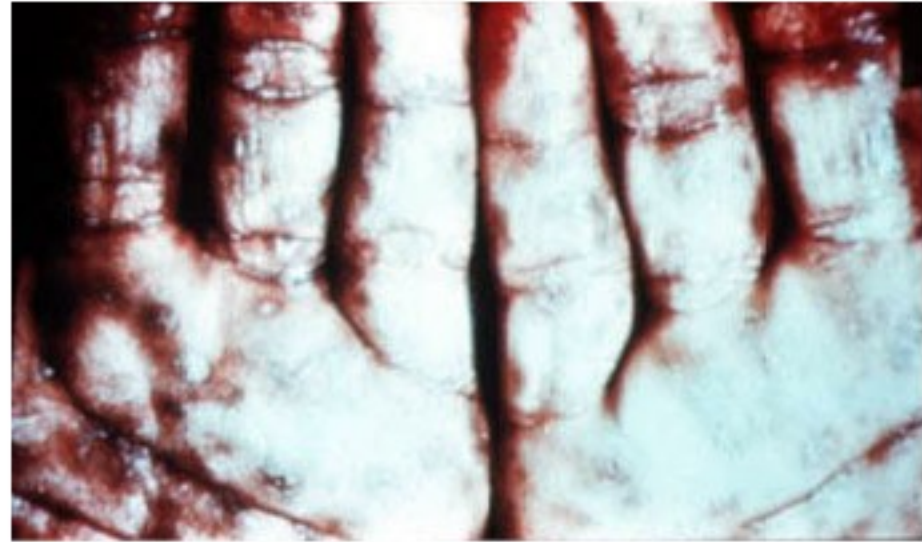
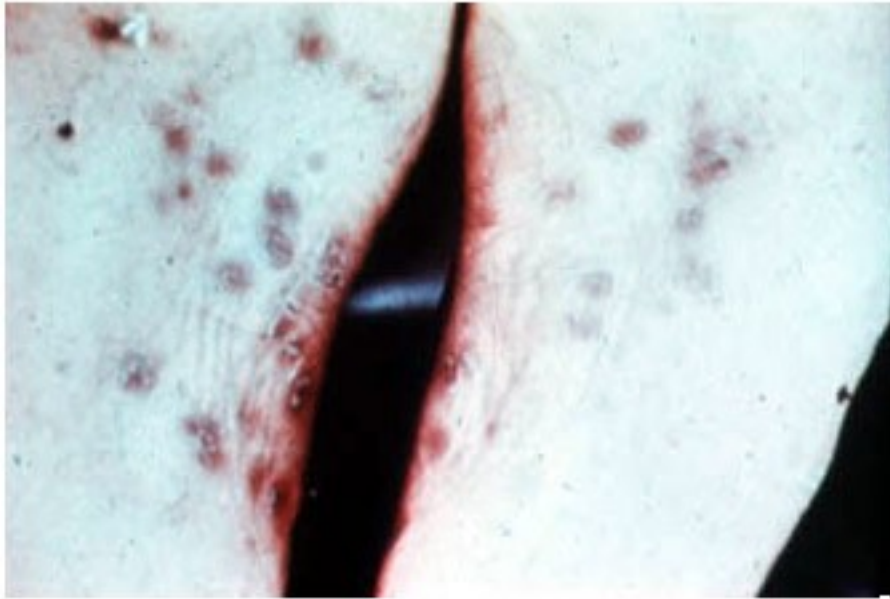




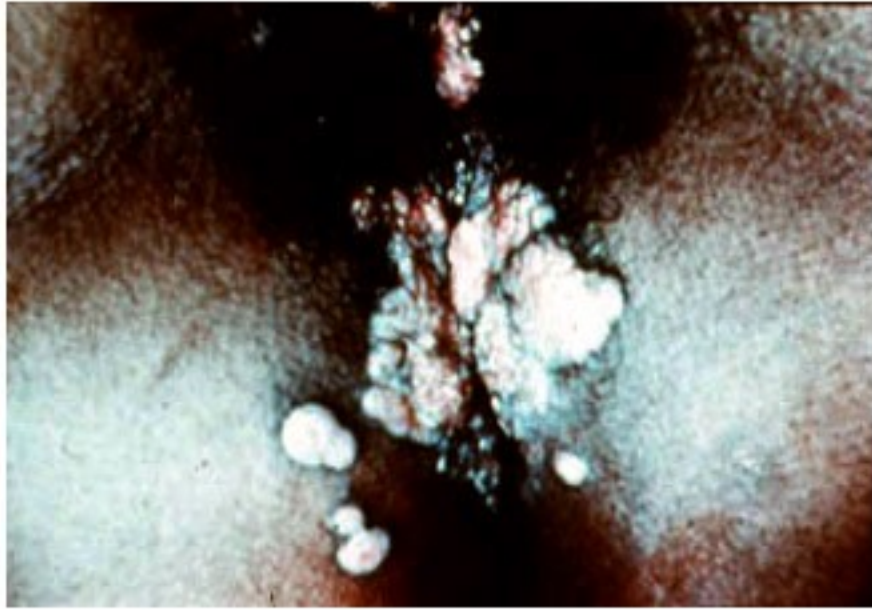
Secondary
Lesions



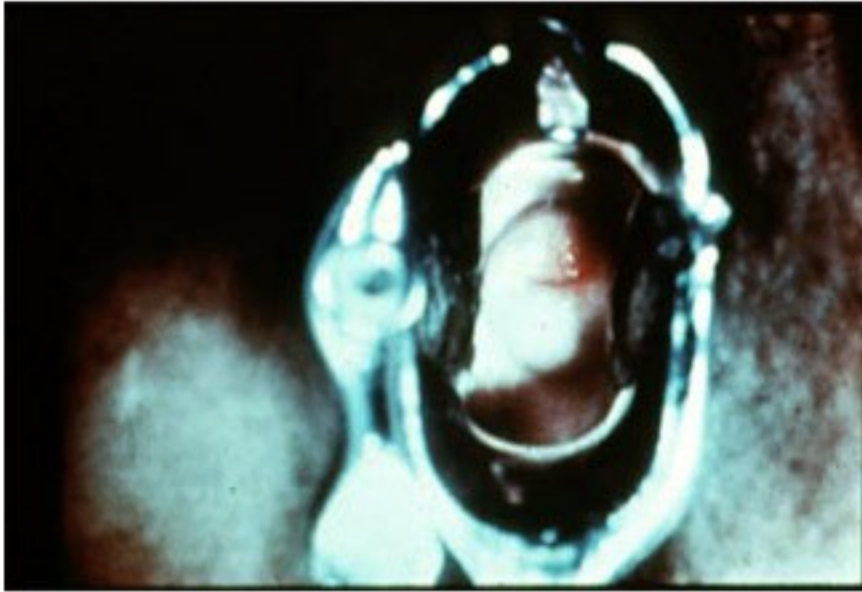
Secondary Syphilis



Secondary Lesions – Condyloma Lata



Secondary Syphilis



Mucous Patches



Secondary Syphilis




Ulceronodular

Secondary Syphilis

Tibia Lytic Bone Lesion

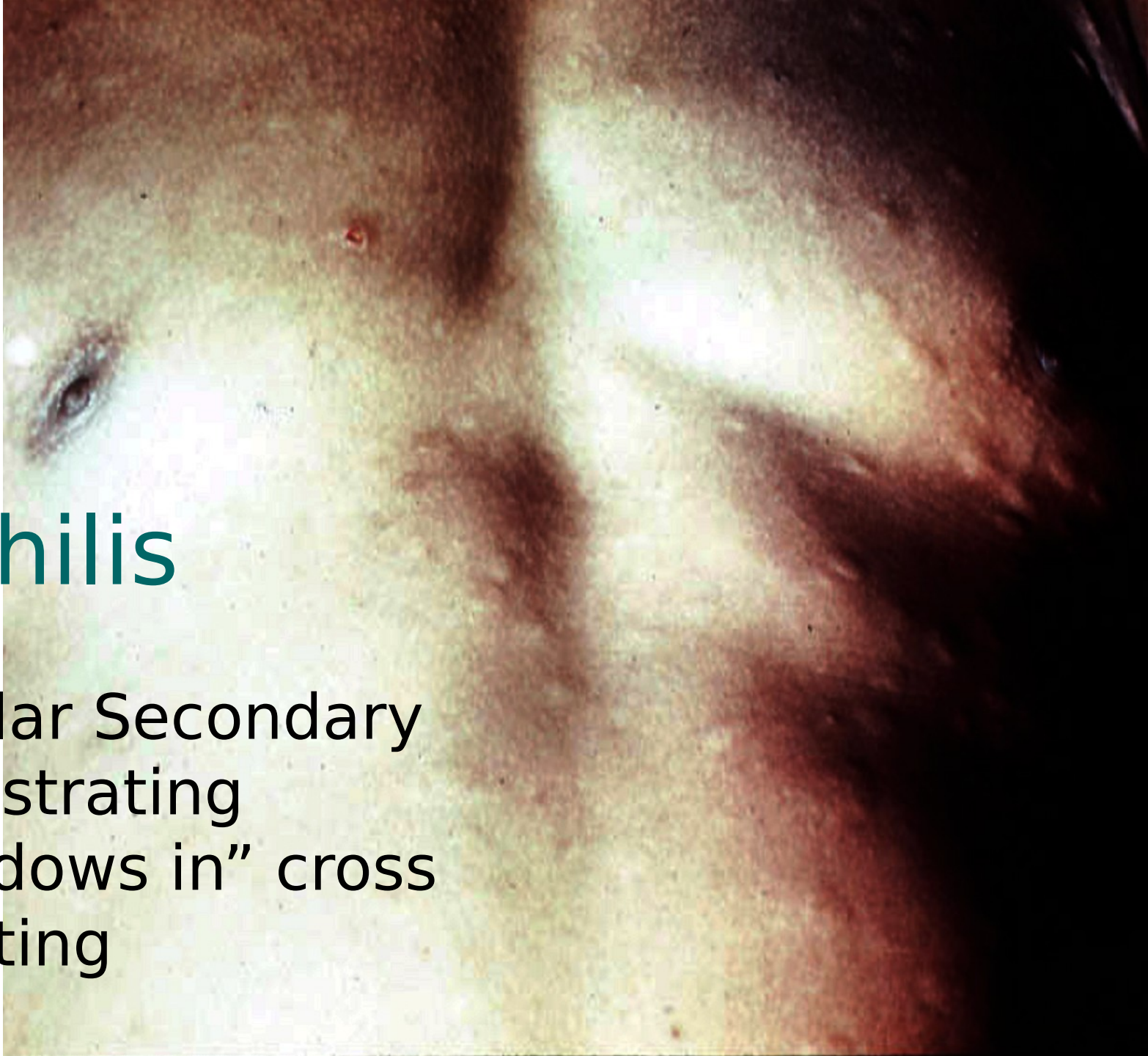


The image is a high-magnification photomicrograph of a skin biopsy. It shows a dense, cellular reaction within the dermis, specifically around a hair follicle. The infiltrate is composed of numerous small, dark-staining nuclei, which are characteristic of lymphocytes. There is also some evidence of plasma cells, which are larger cells with eccentric nuclei. The overall appearance is one of a chronic inflammatory response, consistent with the histopathological findings in follicular secondary syphilis.

Follicular
Secondary Syphilis

Syphilis

Macular Secondary
“illustrating
shadows in” cross
lighting





Secondary Syphilis

Secondary Syphilis



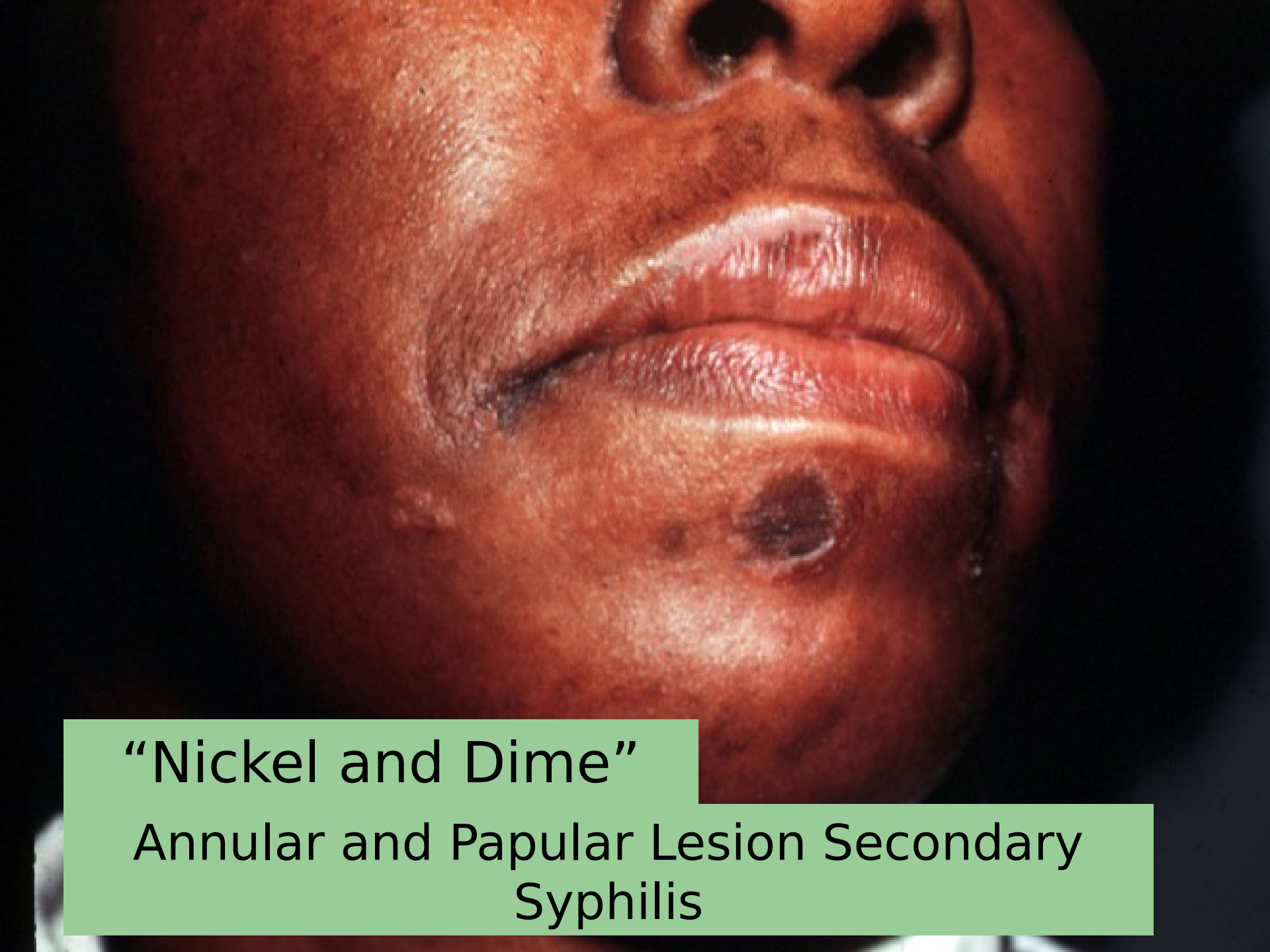


Secondary Syphilitic Lesions on Foot

Secondary Syphilis



From CDC



“Nickel and Dime”

Annular and Papular Lesion Secondary
Syphilis



Secondary Syphilis

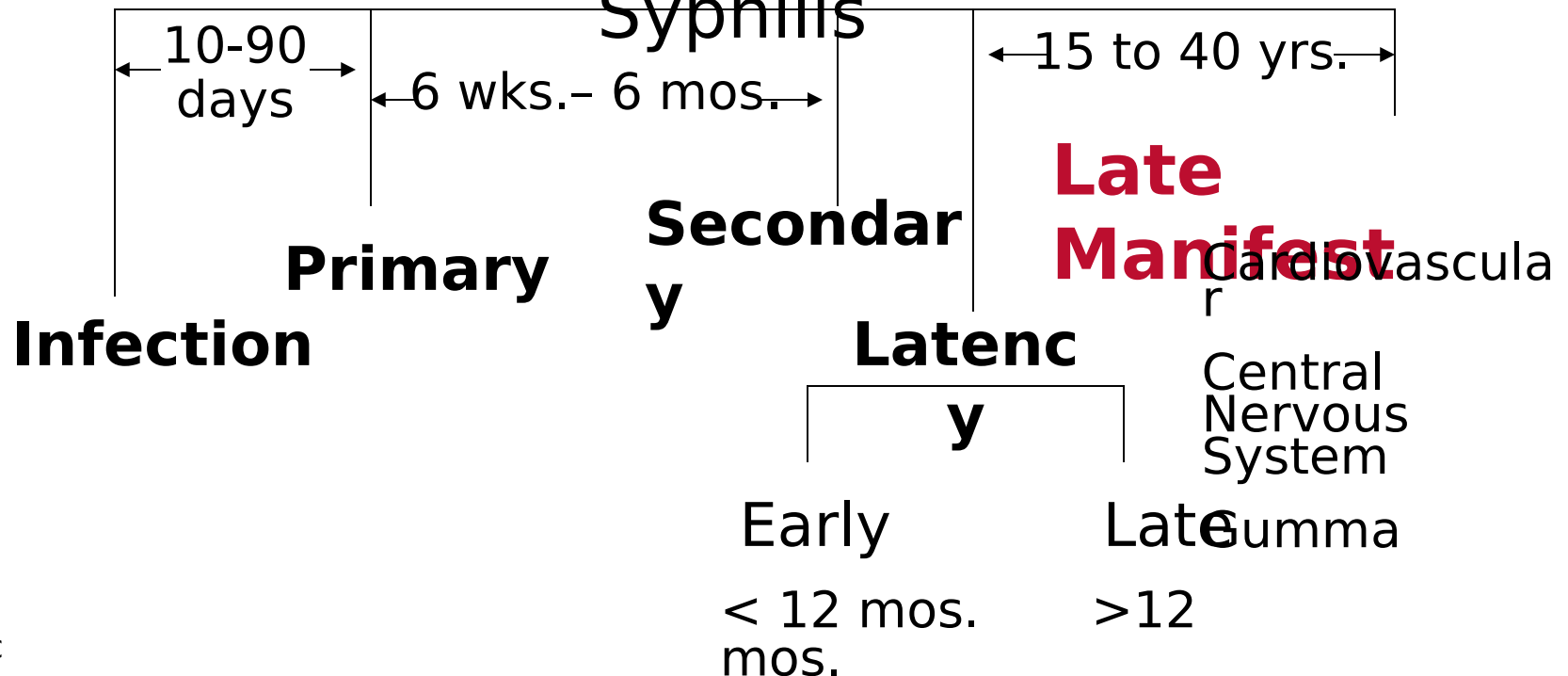
From CDC

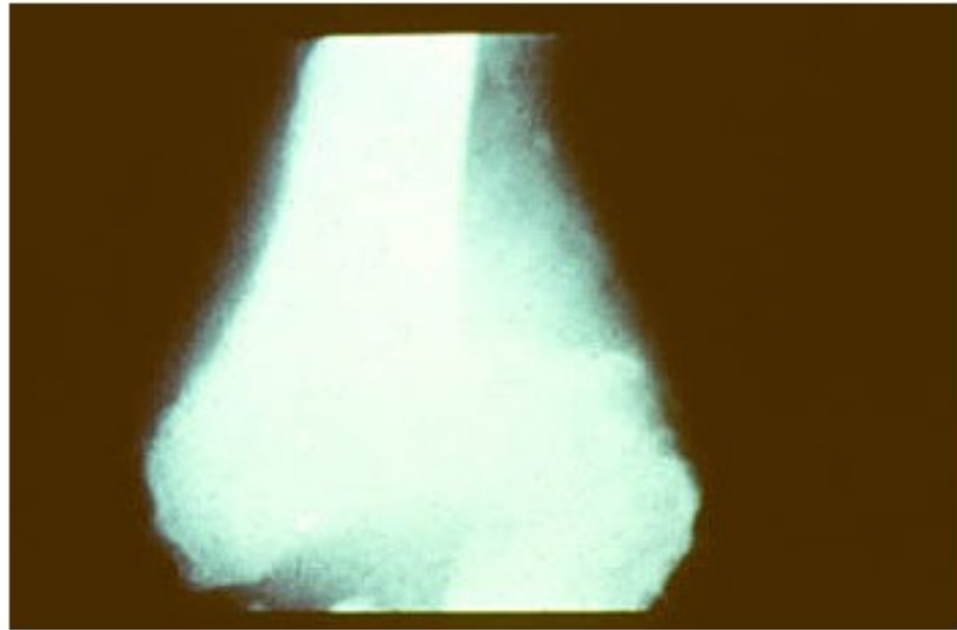
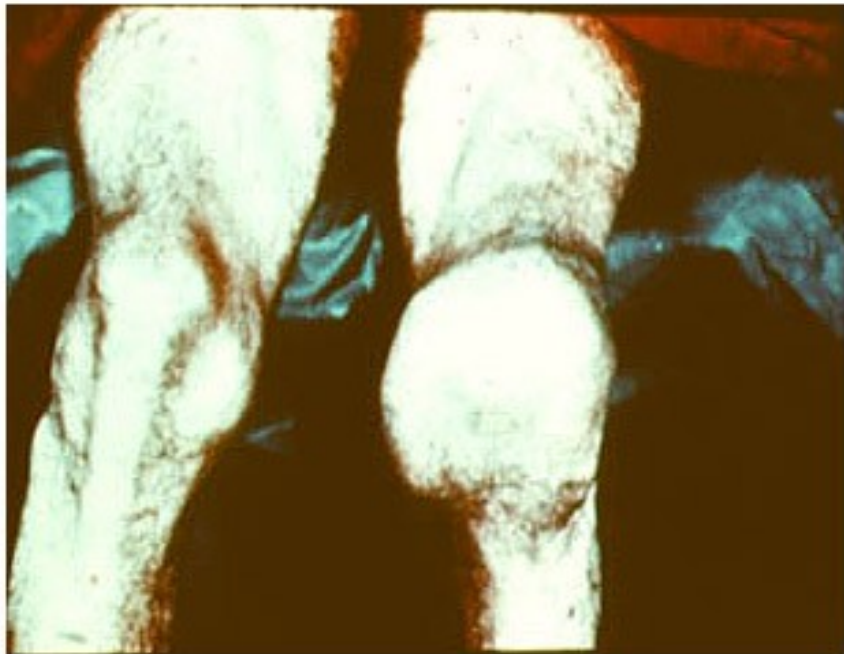
Syphilis Late Manifest



Syphilis

Natural History Of Untreated Syphilis





Top -Thoracic Aortic aneurysm Bottom -Charcot joint

Gumm
a

Left Knee



Late Manifest of Syphilis

Gumma



Gumma



Mouth Gumma

Soft
Palate



Gumma






Gumma -
base of
tongue

A close-up photograph of a human tongue. The tongue is covered with extensive, white, leathery patches that are irregular in shape and size. These patches are separated by a network of fine, red, cracked lines, giving the surface a fissured and brittle appearance. The surrounding oral mucosa appears normal. The overall color of the tongue is a mix of white and red.

Syphilitic
Leukoplakia



Cutaneous
Gumma of the
Legs

Late Syphilis



Serpiginous Gumma of Forearm *From CDC*

Late Manifest



Cutaneous
Gumma

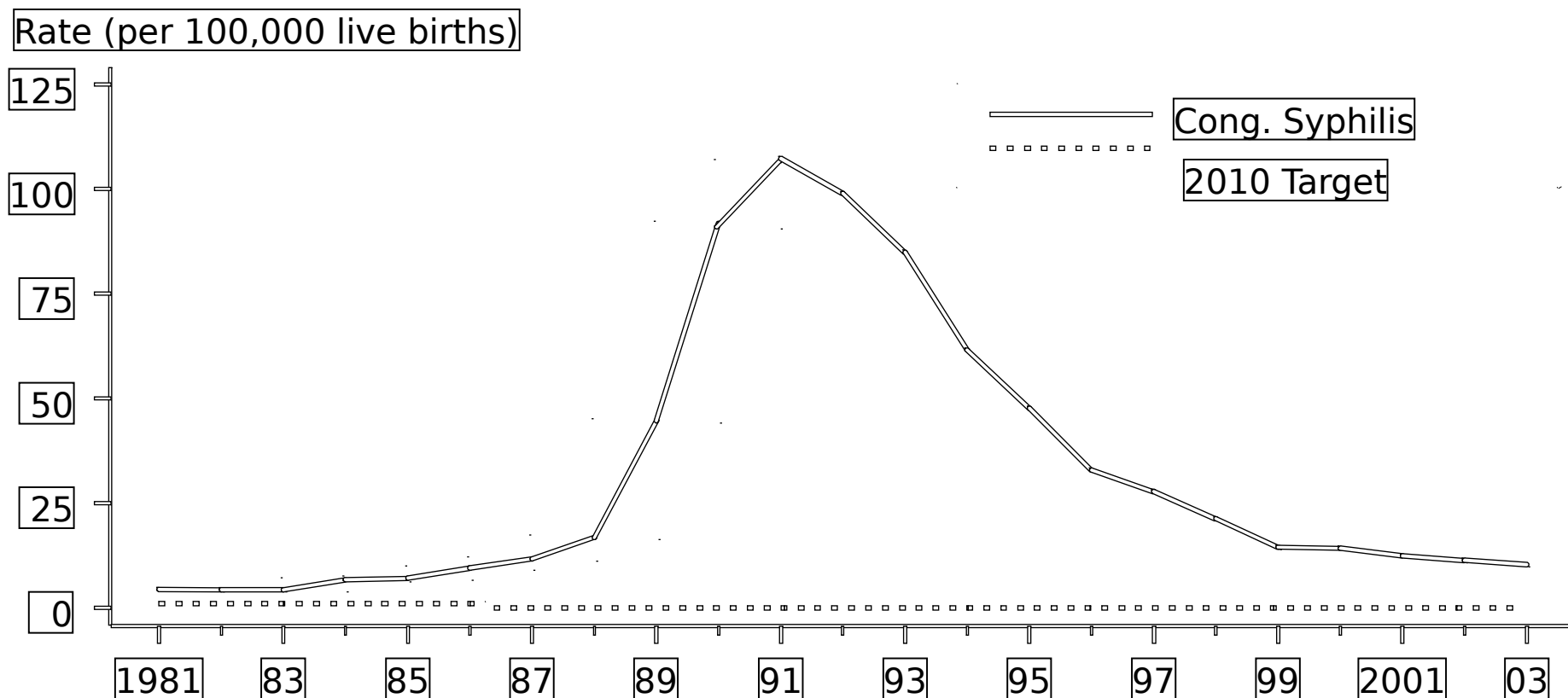
Congenital Syphilis



Syphilis

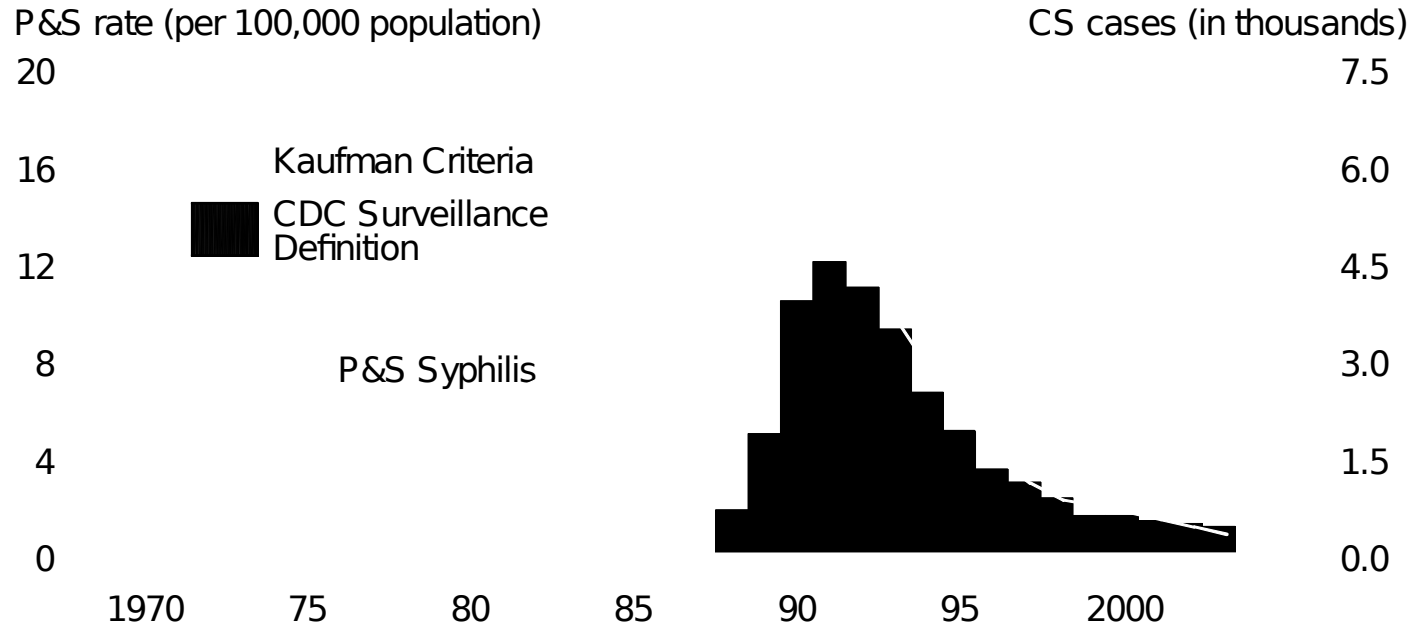
Congenital Lesion
Early

Congenital syphilis — Rates for infants <1 year of age: United States, 1981–2003 and the Healthy People 2010 target



Note: The Healthy People 2010 target for congenital syphilis is 1.0 case per 100,000 live births. The surveillance case definition for congenital syphilis changed in 1988.

Congenital syphilis — Reported cases for infants <1 year of age and rates of primary and secondary syphilis among women: United States, 1970–2003



Note: The surveillance case definition for congenital syphilis changed in 1988.

Syphilis

Early Congenital

Congenital syphilis diagnosed under age
Manifestations

1. Rhinitis (snuffles)
2. Mucous patches
3. Cutaneous lesions (bullous)
4. Pneumonia alba



continue
d

Syphilis

Early Congenital

Manifestations

- 5. Periostitis
- 6. Hepatosplenomegaly
- 7. Anemia
- 8. Edema
- 9. Chorioretinitis



continue
d

Syphilis

Early Congenital

Manifestations

- 10. Iritis
- 11. Osteochondritis
- 12. Nephritis
- 13. Neurosyphilis



Congenital Syphilis

